

## **REMARKS**

### **I. Claim Status**

After entry of the above amendments, claims 1-85, 87-92 and 100 will be pending in this application.

Claims 86, and 93-99 have been canceled.

Claims 1, 9-16, 22, 29-33, 39, 41-42, 57-60, 62, 65-73, 78-79, 82-85, 87, 90-91, and 100 have been amended.

No new matter has been added.

### **II. Amendments to the Specification**

The specification has been amended to include priority information and to correct clerical inconsistencies in the Tables and Examples. Support for the amendments to the specification can be found throughout the specification and claims as filed. Additional support for certain amendments is indicated below. No new matter has been added.

#### *Additional Support for Amendments to Table A and Example 12 (page 166)*

Table A and Example 12 (page 166) of the specification were amended to correct the chemical structures and names of compounds A152, A153, and A154 which inadvertently contained a cyclohexyl moiety in place of a piperidin-1-yl moiety. The intended piperidin-1-yl compounds find support in the specification on page 166 in the Example section under paragraph headings “Compound A152,” “Compound A153,” and “Compound A154.” While the chemical names recited in these paragraphs also suffer from the same inadvertent defect (which has been corrected by amendment herein), the mass spectral (MS) and <sup>1</sup>H NMR data (specific instrument parameters of which are set out on page 127) are consistent with, and unequivocally exemplify, the intended piperidin-1-yl compounds. Thus, the combined MS and NMR data provided for compounds A152, A153, and A154 on page 166 is inconsistent with the incorrectly shown cyclohexyl-containing compounds, and is strongly characteristic only of the intended piperidin-1-yl compounds.

In addition, one skilled in the art would clearly understand from the specification that recitation of a cyclohexyl group in place of a piperidin-1-yl group was merely a clerical error, and that the intended compound was the corresponding piperidin-1-yl compound. For example, there is no genus of compounds provided in the specification, including the broadest genus of Formula Ia, that encompasses the erroneous cyclohexyl compounds A152,

A153, and A154 originally recited in Table A. One skilled in the art would know that replacement of one C atom of the cyclohexyl moiety with an N atom (which would be understood to be the simplest and most logical change) would render the intended compounds (1) to have an analogous structure with each and every other compound exemplified in Tables A-E and (2) to be encompassed by the scope of the Formulas in the specification. Accordingly, compounds A152, A153 and A154 were clearly intended and readily understood to be piperidin-1-yl compounds instead of cyclohexyl compounds; and original recitation of the incorrect cyclohexyl moiety was merely a clerical error.

In view of the MS and NMR data provided on page 166 of the specification as well as the overwhelming exemplification of similar piperidin-1-yl compounds, ample support exists for the amendments to Table A and Example 12.

*Additional Support for Amendments to Example 13 (pages 191-192)*

Example 13 on pages 191 to 192 was amended to correct the chemical names of compounds B93 and B94 which inadvertently recited cyclohexyl-containing compounds in place of piperidin-1-yl compounds. Support for the intended piperidin-1-yl compounds can be found in Table B on page 79 where both the structure and chemical name of the intended piperidin-1-yl compounds are provided. Accordingly, ample support exists for the amendments to Example 13 on pages 191-192.

**III. Amendments to the Claims**

Claims 1, 9-16, 22, 29-33, 39, 41-42, 57-60, 62, 65-73, 78-79, 82-87, 90-91, and 100 have been amended to modify claim dependency or correct nomenclature or other minor, unintended inconsistencies. Support for the amendments can be found throughout the specification and claims. Additional support for certain amendments are pointed to below. No new matter has been added.

*Additional Support for the Amendment to Claim 73*

Claim 73 has been amended to correct the chemical names of three compounds which inadvertently recited cyclohexyl moieties in place of clearly intended piperidin-1-yl moieties. Support for the correction corresponds to that provided above in section II.

*Additional Support for the Amendment to Claim 1.*

Claim 1 has been amended to include additional moieties in the Markush listing for variable R<sub>2</sub>. Support for this amendment can be found in the specification on page 25, fifth paragraph as well as original claim 22.

In view of the foregoing, Applicants submit that the claims as amended are in condition for allowance, and an early Office Action to that effect is earnestly solicited.

Respectfully submitted,



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